



3-21-08

IAP07Rec'd PCT

20 MAR 2008

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Serial No. (unknown)

Filed: December 26, 2007

For: DETECTION OF EPIGENETIC  
ABNORMALITIES AND  
DIAGNOSTIC METHOD  
BASED THEREON

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\*  
\*  
\*  
\*  
\*

Art Unit: (unknown)

Examiner: (unknown)

# LETTER

Commissioner for Patents  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In the matter of the above-titled application, an application was filed December 26, 2007 (see enclosed Certificate of Transmittal). We have not received a communication from the U.S. Patent and Trademark Office. Enclosed are all papers filed at that time.

It is requested that the U.S. Patent and Trademark Office find the application filed and provide applicant with a Serial No. as of the date of mailing, December 26, 2007.

We bring your attention to the fact that applicant's parent application was Petronis, Serial No. 10/516,406.

Respectfully submitted,

March 20, 2008

Date

Sam Rosen

Sam Rosen

Reg. No. 37,991

Attorney for Applicant

## CERTIFICATE OF TRANSMITTAL

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail in an envelope addressed to: Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: March 20, 2008

Express Mail Label No. EB256028172US

By:

Carolyn H. Bates

Carolyn H. Bates

HODES, PESSIN & KATZ, P.A.  
901 Dulany Valley Road, Suite 400  
Towson, MD 21204  
Phone: 410-769-6146  
Fax: 410-832-5644  
E-Mail: srosen@hpklegal.com

SR/chb

G:\files\ROSEN\PETRONIS, Arturas (Gowling)\024960.011\PTO LETTER.docx



HODES, PESSI. . & KATZ, P.A.

901 Dulaney Valley Road | Suite 400 | Towson, MD 21204  
phone 410.938.8800 | fax 410.832.5600 | www.hpklegal.com

Sam Rosen, Esq.  
Direct Dial: 410-769-6146  
Direct Fax: 410-832-5644  
E-Mail: [srosen@hpkllegal.com](mailto:srosen@hpkllegal.com)

December 26, 2007

VIA EXPRESS MAIL  
EB256026653US

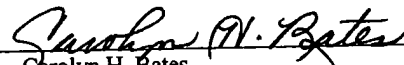
Commissioner for Patents  
U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Our Docket No. 024960.011

CERTIFICATE OF TRANSMITTAL

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: December 26, 2007  
Express Mail No. EB256026653US

By:   
Carolyn H. Bates

Dear Sir:

**THIS NEW PATENT APPLICATION IS BEING FILED BY EXPRESS MAIL, TODAY, AND IS ENTITLED TO HAVE TODAY'S DATE ON THE OFFICIAL FILING RECEIPT.**

Enclosed please find the following:

1. Form PTO-1390.
2. Copy of Declaration (Serial No. 10/516.426).
3. Extension of Time (Serial No. 10/516,406).

Please charge our Deposit Account No. 50-3875 in the amount of \$3,540.00 for the filing fees (\$2,490 (Form 1390 and Extension of Time \$1,050).

*Big firm talent, small firm appeal.*

TOWSON

COLUMBIA

BEL AIR

CAMBRIDGE

BETHESDA

HODES, PESSIN & KATZ, P.A.

Commissioner for Patents  
December 26, 2007  
Page 2

The inventor is:

Arturas Petronis  
250 Collage Street  
Toronto, Ontario  
M5S 2S1 CANADA  
Citizenship: Canada

Please address all correspondence to:

HODES, PESSIN & KATZ, P.A.  
Department of Intellectual Property  
901 Dulaney Valley Road, Suite 400  
Towson, MD 21204.

If there are any additional fees required, please charge our Deposit Account No. 50-3875.

Thank you for your cooperation and assistance.

Respectfully submitted,

A handwritten signature in cursive script that reads "Sam Rosen".

Sam Rosen

SR/chb

Enclosures

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FOR INTERNATIONAL DESTINATIONS, WRITE COUNTRY NAME BELOW.

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 024960.011
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO. PCT/CA03/00820	INTERNATIONAL FILING DATE 06 June 2003	PRIORITY DATE CLAIMED 06 June 2002
TITLE OF INVENTION DETECTION OF EPIGENETIC ABNORMALITIES AND DIAGNOSTIC METHOD BASED THEREON		
APPLICANT(S) FOR DO/EO/US Arturas Petronis		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.		
2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))		
a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).		
b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.		
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).		
6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).		
a. <input type="checkbox"/> is attached hereto.		
b. <input checked="" type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))		
a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> have been communicated by the International Bureau.		
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.		
d. <input checked="" type="checkbox"/> have not been made and will not be made.		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO. PCT/CA03/00820	ATTORNEY'S DOCKET NUMBER 024960.011
20. Other items or information:		
The following fees have been submitted		<b>CALCULATIONS</b> <b>PTO USE ONLY</b>
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$310		\$ 310.00
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))		\$ 210.00
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0		
All other situations..... \$210		
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b))		\$ 510.00
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0		
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100		
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$410		
All other situations..... \$510		
<b>TOTAL OF 21, 22 and 23 =</b>		\$ 1,030.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) in an electronic medium or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$260 for each additional 50 sheets of paper or fraction thereof.		
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)
- 100 =	/50 =	x \$260
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$
CLAIMS	NUMBER FILED	NUMBER EXTRA
Total claims	24 - 20 =	4
Independent claims	9 - 3 =	6
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$370
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$ 2,490.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		
<b>SUBTOTAL =</b>		\$ 2,490.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$
<b>TOTAL NATIONAL FEE =</b>		\$ 2,490.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$
<b>TOTAL FEES ENCLOSED =</b>		\$
		Amount to be refunded: \$
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- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 50-3875 in the amount of \$ 2,490.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3875. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038. The PTO-2038 should only be mailed or faxed to the USPTO. However, when paying the basic national fee, the PTO-2038 may NOT be faxed to the USPTO.

**ADVISORY:** If filing by EFS-Web, do **NOT** attach the PTO-2038 form as a PDF along with your EFS-Web submission. Please be advised that this is **not** recommended and by doing so your **credit card information may be displayed via PAIR**. To protect your information, it is recommended paying fees online by using the electronic payment method.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

HODES, PESSIN & KATZ, P.A.  
Department of Intellectual Property  
901 Dulaney Valley Road, Suite 400  
Towson, MD 21204



SIGNATURE

Sam Rosen

NAME

37,991

REGISTRATION NUMBER

**ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP**  
**502 Washington Avenue, Suite 220**  
**Towson, Maryland 21204**

**DOCKET NO.** 04340-PCT-PA

**DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION**

As a below named inventor, I hereby declare that:

My residence, past office address and citizenship are as stated below near to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled \_\_\_\_\_, the specification of which

(check one) ☐ is a division of an application  
☐ was filed on \_\_\_\_\_

as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-described specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefit under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**Prior Foreign Application(s)**

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
PCT	PCT/CA03/00520	06 JUNE 2003	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)
60/386,818	6 JUNE 2003	abandoned

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in The Patent and Trademark Office connected therewith:

LEONARD BLOOM - Reg. No. 18,369  
 ROBERT M. GAMSON - Reg. No. 32,986  
 SAM ROSEN - Reg. No. 37,801

**SEND CORRESPONDENCE TO: ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP**  
**502 Washington Avenue, Suite 220**  
**Towson, MD 21204; (410) 357-2295**

201	FULL NAME OF INVENTOR	FAMILY NAME <b>PETRONIS</b>	FIRST GIVEN NAME <b>ARTURO</b>	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP <b>CANADA</b>
	POST OFFICE ADDRESS	POST OFFICE ADDRESS <b>350 College Street, Toronto, Ontario, M5B 2N1, Canada</b>		
202	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
203	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
204	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
205	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
206	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1091 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE OF INVENTOR 201  
DATE Nov 30, 2009

SIGNATURE OF INVENTOR 202  
DATE \_\_\_\_\_

SIGNATURE OF INVENTOR 203  
DATE \_\_\_\_\_

SIGNATURE OF INVENTOR 204  
DATE \_\_\_\_\_

SIGNATURE OF INVENTOR 205  
DATE \_\_\_\_\_

SIGNATURE OF INVENTOR 206  
DATE \_\_\_\_\_

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Petronis \*  
Serial No. 10/516,406 \*  
Filed: December 1, 2004 \* Art Unit: 1634  
For: DETECTION OF EPIGENETIC \* Examiner: Carla Myers  
ABNORMALITIES AND \*  
DIAGNOSTIC METHOD BASED \*  
THEREON \*

PETITION FOR REQUEST OF EXTENSION OF TIME

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

With reference to the Official Action dated June 27, 2007, the undersigned hereby petitions for a three (3) month extension of time to December 27, 2007, in which to respond.

Please charge our Deposit Account No. 50-3875 in the amount of \$1,050.00 for the filing fee and for any additional fees which may be required..

Thank you for your cooperation and assistance.

Respectfully submitted,

December 26, 2007  
Date

Sam Rosen  
Sam Rosen  
Reg. No. 37,991  
Attorney for Applicant

HODES, PESSIN & KATZ, P.A.  
901 Dulaney Valley Road, Suite 400  
Towson, MD 21204  
Phone: 410-769-6145  
Fax: 410-832-5637  
E-Mail: rgamson@hpklegal.com

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Date: December 26, 2007  
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By: Carolyn H. Bates  
Carolyn H. Bates

SR/chb

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